

DEVAL L. PATRICK GOVERNOR TIMOTHY P. MURRAY LIEUTENANT GOVERNOR JUDYANN BIGBY, MD SECRETARY JOHN AUERBACH

COMMISSIONER

# The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

10/07/2010

Jeremy Bucci Assistant District Attorney, Suffolk County

Dear ADA Bucci,

Enclosed is the information you requested in regards to Commonwealth vs. Included are copies of the following:

1. Drug Analysis Laboratory Receipt.

2. Control Card with analytical results for sample #

3. Analysis sheets with chemist's hand notations and test results.

4. Fourier Transform Infrared Spectroscopy (FTIR) analytical data for sample # (Confirmatory Test)

5. GC/Mass Spectral analytical data for sample #

e#\_\_\_\_

Annie Khan (Dookhan) was the custodial chemist and performed the preliminary testing, net weight and confirmatory testing by IR for this sample. Kate Corbett analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

Annie Khan (Dookhan)

Chemist II

Drug Analysis Lab

Jamaica Plain, MA. 02130

(617) 983-6631

Annie.Khan@state.ma.us

### PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health

**Boston Drug Laboratory** Tel (617) 983-6622 Fax (617) 983-6625

State Laboratory Institute

Amherst Drug Laboratory Tel (413) 545-2601 Fax (413) 545-2608

**Boston Hours** 

8:00 - 11:00

DRUG RECEIPT

**Amherst Hours** 

9:00 - 12:00

	1:00 - 3:00
Police Reference No.:	
Manus Defect	live
F .	
To be completed	by Lab Personnel
<del>-</del>	
0 36,7/2	-
Date:	9-20-10

No.

Date Analyzed: [0] 4 10

City: Boston Police Dept.

Officer: Detective, STEPHEN MCMANUS

Def:

Amount: No. Cont:

Cont: pb

Date Rec'd: 09/30/2010

Gross Wt.:

36.71

3

No. Analyzed:

Net Weight: 9.89

Subst: SUB

# Tests: \& AS

Prelim: Cocarre (C)

Findings:

# DRUG POWDER ANALYSIS FORM

SAMPLE#	AGENCY_	B08480	ANALYST_	AS 0
No. of samples tested:	············		Evidence Wt.	
PHYSICAL DESCRIPTION:			Gross Wt(3):_	10.4785
off while c	runcy su	784016	Gross Wt( ):_	
off while c	3005.		Pkg. Wt:_	
			Net Wt: _	
				->
PRELIMINARY TESTS Spot Tests			Microcrystalline Test	<u>s</u>
Cobalt Thiocyanate (—) +		. 3 Ch	louge + Golg	
3 Marquis		3 ·	TLTA <u>( -) +-</u>	***************************************
3 Froehde's	. 1		OTHER TESTS	,
3 Mecke's	······································	3 <u>IR</u>	+	
PRELIMINARY TEST RESULTS		GCII	MS CONFIRMATORY	TEST
RESULTS COCOLIA VOGS	ie (oar)	(C) RESI	JLTS <u>Cocaine</u>	
DATE 10-1-10		OPERA	MS TOR KOC	
		r	ATE 10-CL-1	0

Sample #:	
Carrible II.	

### # samples tested:

#	Gross Weight	Packet Welght	Net Weight	#	Gross Welght	Packet Weight	Net Weight
1	3.2785	0.2072	3.0013	26	> Kno Heal		
2	3-2888	0.2056	3.3832	27			
3	3.6091	0-1685	3.4406	28	· openect :	**************************************	
4				29			
5				30			
6				31			
7			***************************************	32			
8_				33			P
9		,		34			
10				35			American Ame
11			A	36			
12				37			
13				38		nonnen uta erre anna de la constanta de la cons	
14				39		:	· · · · · · · · · · · · · · · · · · ·
15	~664000hannoohuur			40			
16				41			
17				42		,	
18				43			
19				44			- Milespoons
20				45			
21				46		**************************************	
22				47			
23			To a constant	48			
24		20 Tay		49			
25				50			

Calculations:

10ex wx = 9.8951

**ARCH REPORT** 

Date: Mon Oct 04 2010

cnown: C:\pel\_data\spectra
rary: C:\pel\_data\libs\DL.idx

Boston.sp

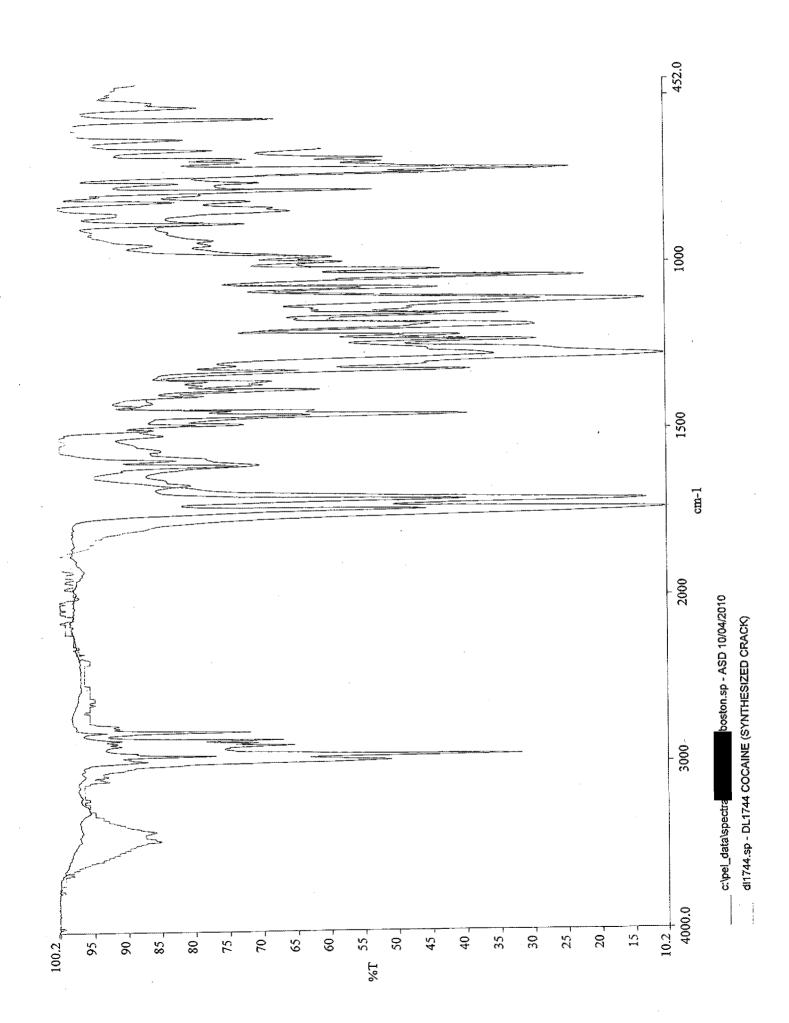
clidean Hit List:

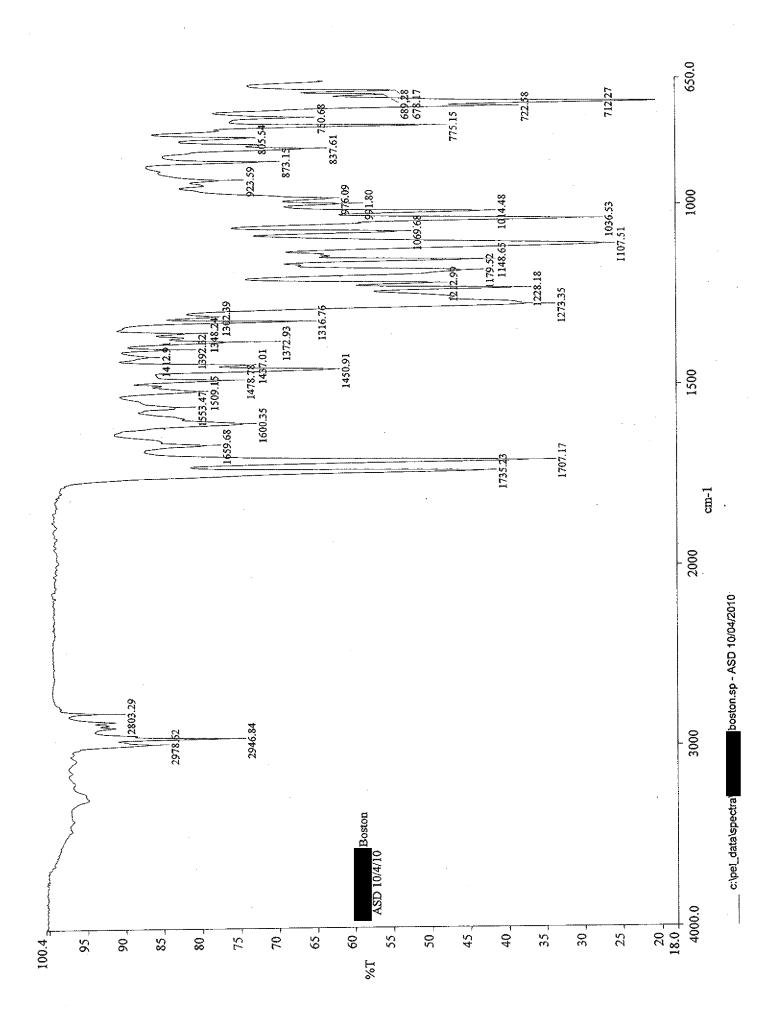
344 DL1744 COCAINE (SYNTHESIZED CRACK) 310 DL0178 COCAINE ÎN KBr 329 DL0209 COCAINE HCI IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

elected Range: 4000.00 - 652.00 cm-1

) Blank Regions:

e Georgia State Crime Laboratory





<nown: C:\pel\_data\spectra
rary: C:\pel\_data\libs\DL.idx</pre>

Boston.sp

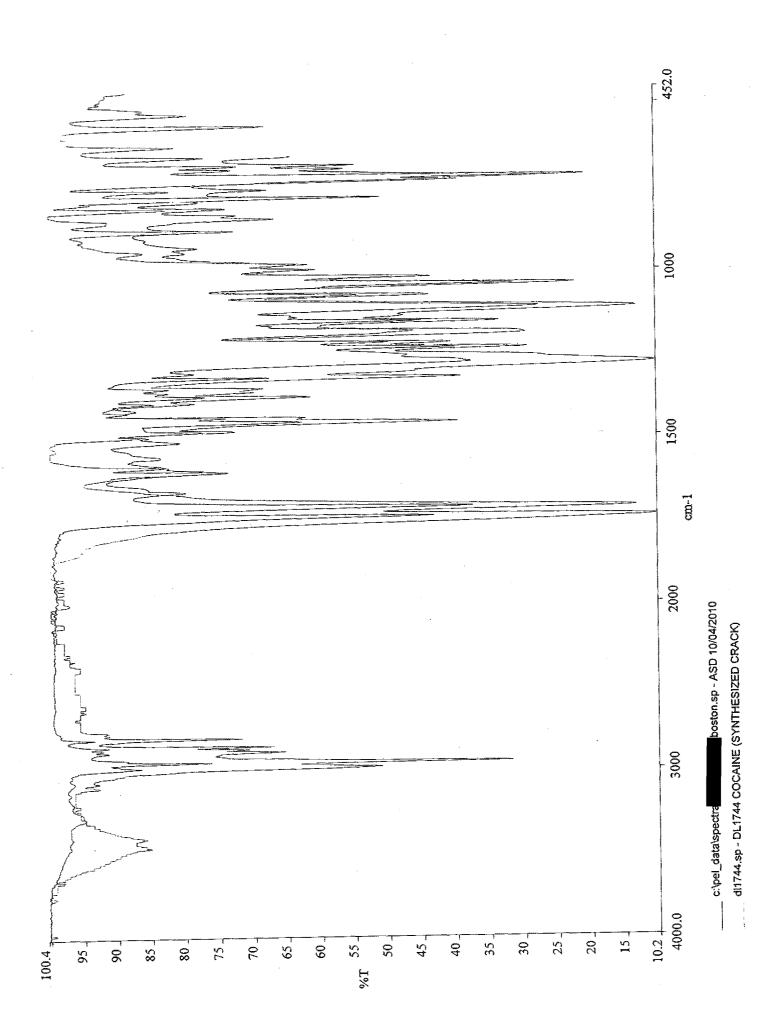
clidean Hit List:

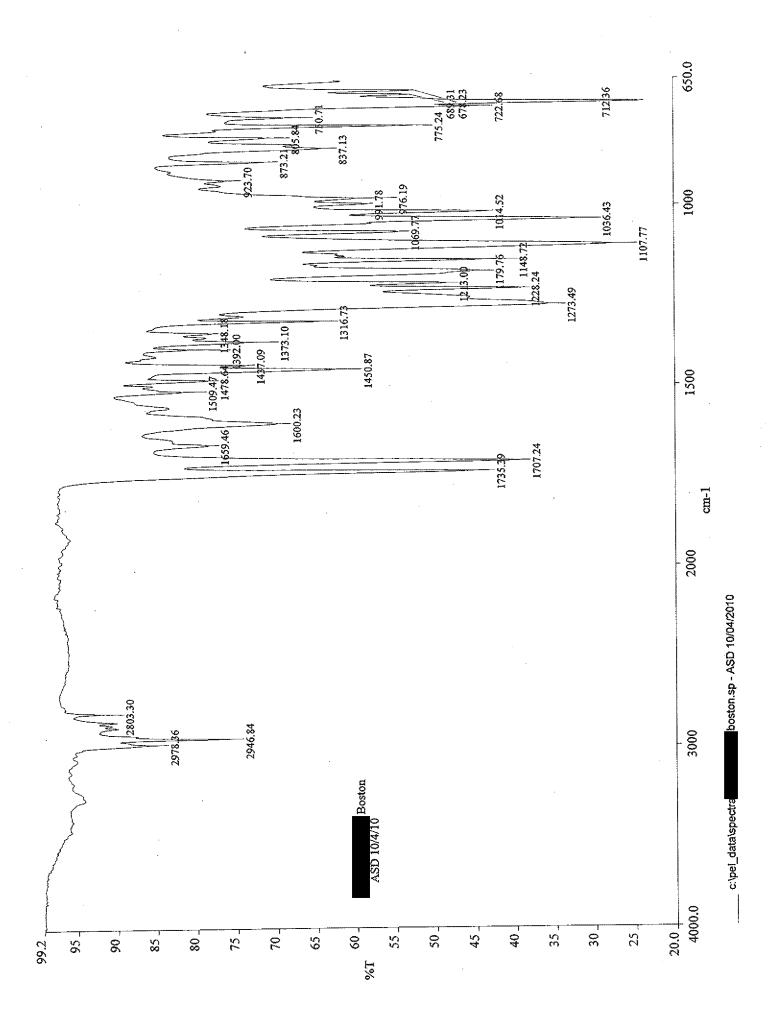
337 DL1744 COCAINE (SYNTHESIZED CRACK) 303 DL0178 COCAINE IN KBr 328 DL0209 COCAINE HCI IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

elected Range: 4000.00 - 652.00 cm-1

o Blank Regions:

e Georgia State Crime Laboratory





**ARCH REPORT** 

Date: Mon Oct 04 2010

known: C:\pel\_data\spectra
rary: C:\pel\_data\libs\DL.idx

Boston.sp

clidean Hit List:

340 DL1744 COCAINE (SYNTHESIZED CRACK)

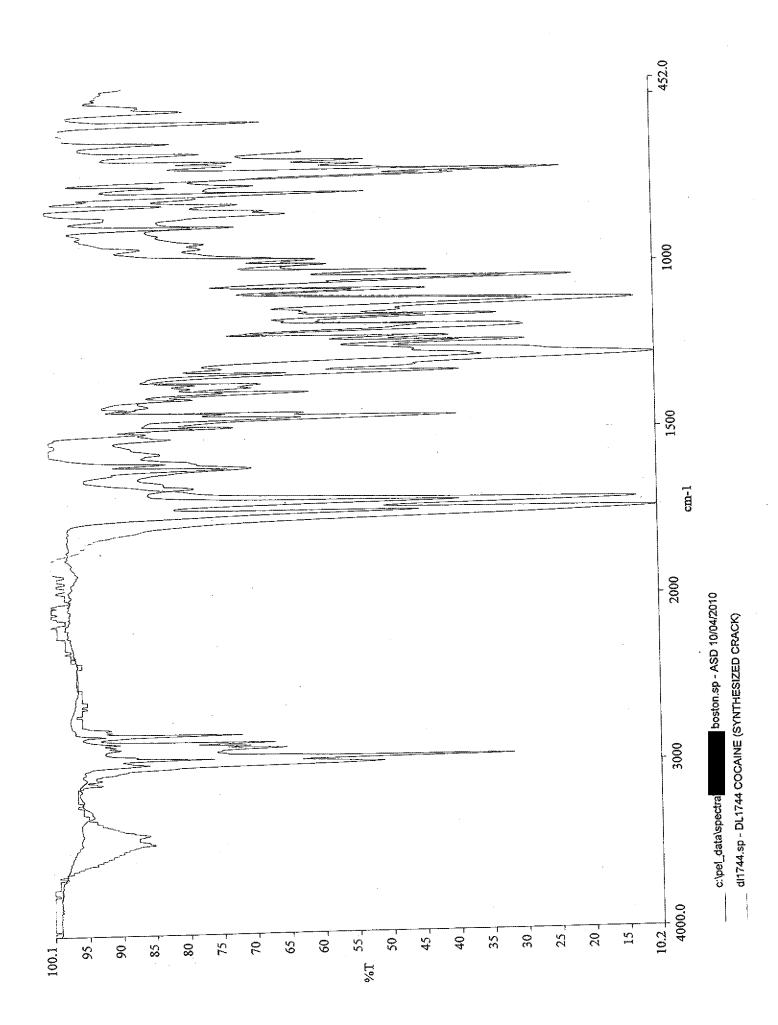
305 DL0178 COCAINE ÎN KBr

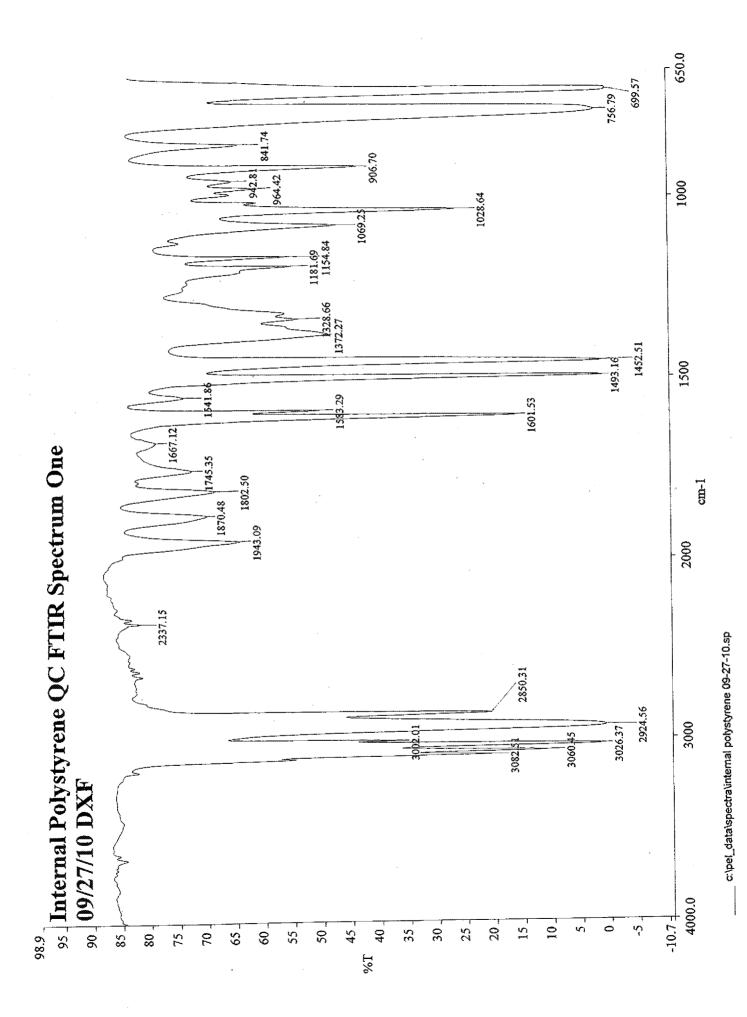
330 DL0209 COCAINE HCI IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

elected Range: 4000.00 - 652.00 cm-1

o Blank Regions:

e Georgia State Crime Laboratory





ARCH REPORT

Date: Mon Sep 27 2010

known: C:\pc.\_data\spectra\Internal Polystyrene 09-27-10.sp

rary: C:\pel\_data\libs\DL.idx

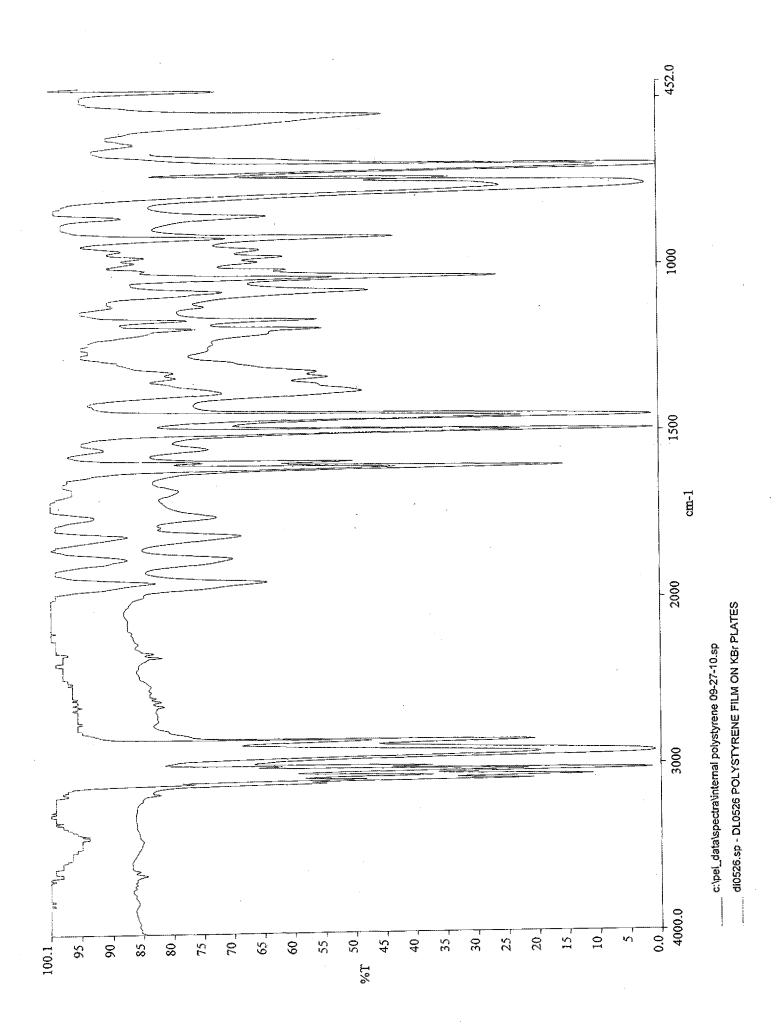
clidean Hit List:

925 DL0526 POLYSTYRENE FILM ON KBr PLATES 650 DL1310 PRENYLAMINE IN KBr-BASIC EXTRACT OF LACTATE SALT 577 DL0195 (1-PHENYLCYCLOHEXYL)ETHYLAMINE IN KBr

elected Range: 4000.00 - 652.00 cm-1

o Blank Regions:

ie Georgia State Crime Laboratory



ARCH REPORT

Date: Thu Jul 01 2010

known: C:\per\_data\spectra\cocaine base 07-01-10 .sp

rary: C:\pel\_data\libs\DL.idx

clidean Hit List:

374 DL1744 COCAINE (SYNTHESIZED CRACK)

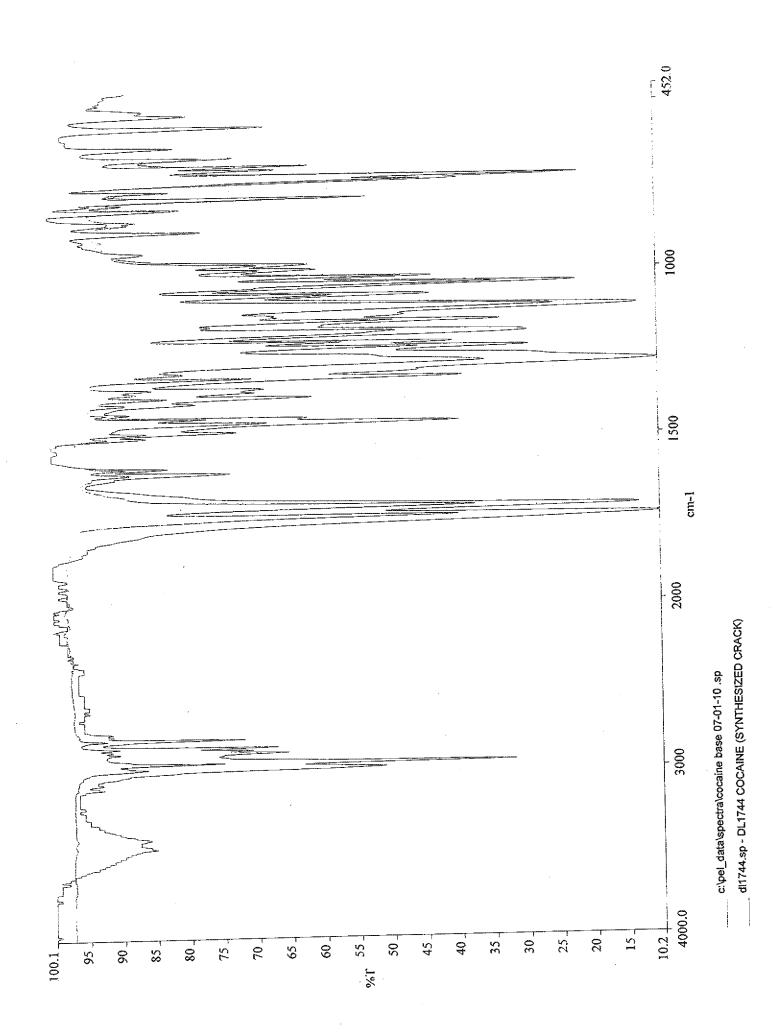
839 DL0178 COCAINE ÎN KBr

646 DL0209 COCAINE HCI IN KBr (MERCK)-SAMPLE CONTAINS WATER-METHANOL MIXTURE

elected Range: 4000.00 - 652.00 cm-1

o Blank Regions:

ie Georgia State Crime Laboratory



Folk\_OIG\_PRR\_051774

c:\pel\_data\spectra\cocaine-hcl 07-01-10 .sp

**ARCH REPORT** 

Date: Thu Jul 01 2010

known: C:\pe\_data\spectra\cocaine-hcl 07-01-10 .sp

rary: C:\pel data\libs\DL.idx

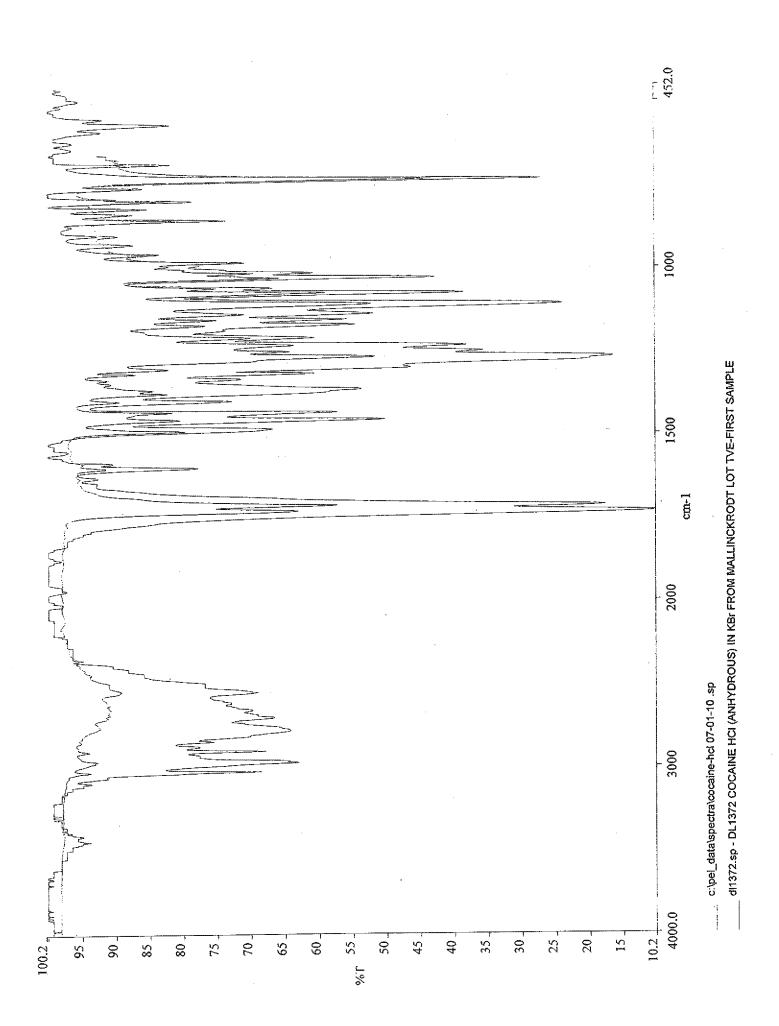
clidean Hit List:

346 DL1372 COCAINE HCI (ANHYDROUS) IN KBr FROM MALLINCKRODT LOT TVE-FIRST SAMPLE 340 DL1373 COCAINE HCI (ANHYDROUS) IN KBr 818 DL0001 COCAINE HCI IN KBr

elected Range: 4000.00 - 652.00 cm-1

o Blank Regions:

e Georgia State Crime Laboratory



DRUG LABMS CONTROL SHEET (OxO)-10 COCCUR

DATE (S) ANALYZED O 4 10 GOO 10.

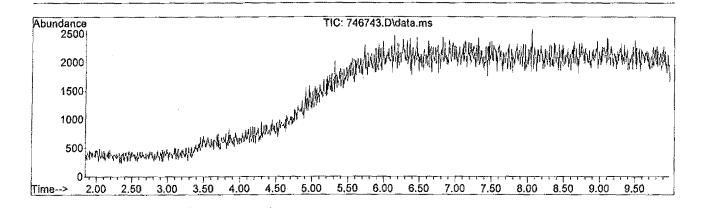
SAMPLE # AGENCY PRELIM RT/MQ COMMENTS (MS) MS RESULTS COMMENTS ID BOSTEN مثبي

File Name : C:\msdchem\1\System7\10\_01\_10\746743.D

: ASD Operator

Date Acquired : 1 Oct 2010 23:06

Sample Name : BLANK : ASD Submitted by Vial Number 1 AcquisitionMeth: DRUGS.M : RTE Integrator



Area Ratio % Ret. Time Area

\*\*\*NO INTEGRATED PEAKS\*\*\*

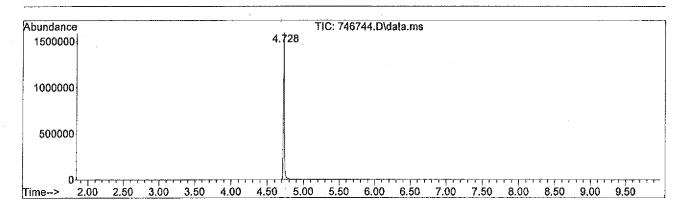
File Name : C:\msdchem\1\System7\10\_01\_10\746744.D

Operator : ASD

Date Acquired : 1 Oct 2010 23:19

Sample Name : COCAINE STD

Submitted by : ASD
Vial Number : 44
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time		Area %	Ratio %
4.728	1621175		

File Name : C:\msdchem\1\System7\10\_01\_10\746744.D

Operator : ASD

Date Acquired : 1 Oct 2010 23:19

Sample Name : COCAINE STD

Submitted by : ASD Vial Number : 44

AcquisitionMeth: DRUGS.M

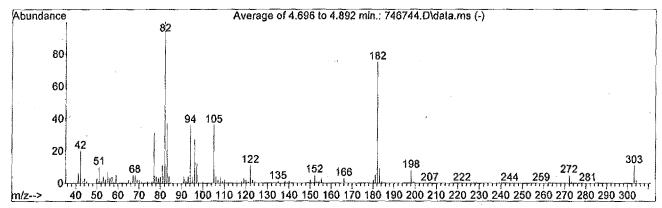
Integrator : RTE

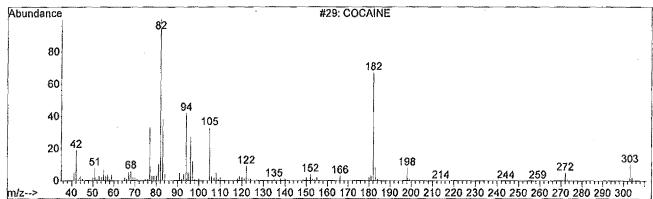
Search Libraries: C:\Database\SLI.L Minimum Quality: 85

C:\Database\PMW\_TOX2.L Minimum Quality: 85

C:\Database\NISTO5a.L

PK#	RT	Library/ID		CAS#	Qual
1	4.73	C:\Database\SLI.L	,	000050 26 2	0.0
		COCAINE		000050-36-2	99





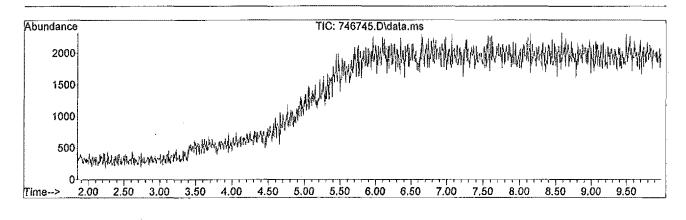
File Name : C:\msdchem\1\System7\10\_01\_10\746745.D

Operator : ASD

Date Acquired : 1 Oct 2010 23:31

Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M

Integrator : RTE



Ret. Time Area Area % Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

File Name : C:\msdchem\1\System7\10\_01\_10\746746.D

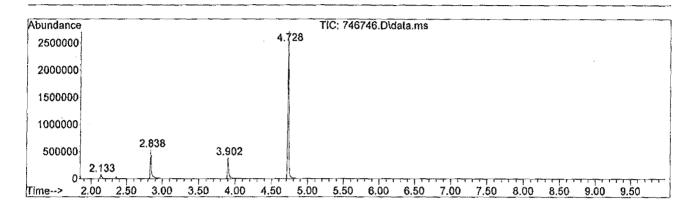
Operator : ASD

Date Acquired : 1 Oct 2010 23:44

Sample Name : Submitted by : ASD

Vial Number : 46 AcquisitionMeth: DRUGS.M

Integrator : RTE



Ret. Time		Area	Area %	Ratio %		
2.133 2.838 3.902 4.728	,	118391 706108 517223 2841199	2.83 16.88 12.37 67.92	4.17 24.85 18.20 100.00	,	

File Name : C:\msdchem\1\System7\10\_01\_10\746746.D

Operator : ASD

Date Acquired : 1 Oct 2010 23:44

Sample Name : Submitted by :

Submitted by : ASD Vial Number : 46 AcquisitionMeth: DRUGS.M

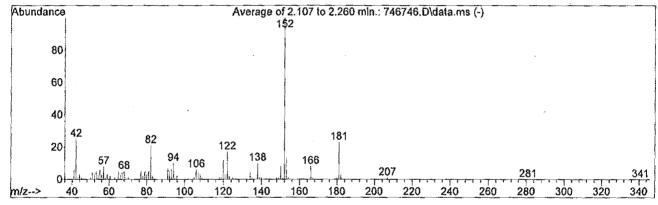
Integrator : RTE

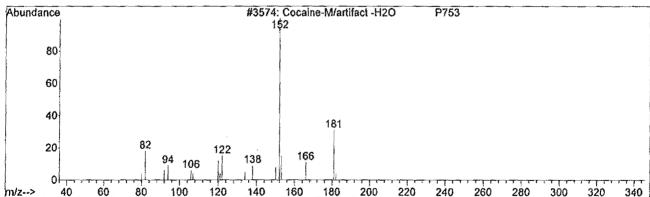
Search Libraries: C:\Database\SLI.L Minimum Quality: 85

C:\Database\PMW\_TOX2.L Minimum Quality: 85

C:\Database\NISTO5a.L

 PK#	RT	Library/ID	CAS#	Qual
1	2.13	C:\Database\PMW_TOX2.L Cocaine-M/artifact -H2O	000000-00-0	95
		Vanillin AC	000000-00-0	38
		Metipranolol-M/artifact AC	000000-00-0	17





: C:\msdchem\1\System7\10\_01\_10\746746.D File Name

ASD Operator

Date Acquired 1 Oct 2010 23:44

Sample Name

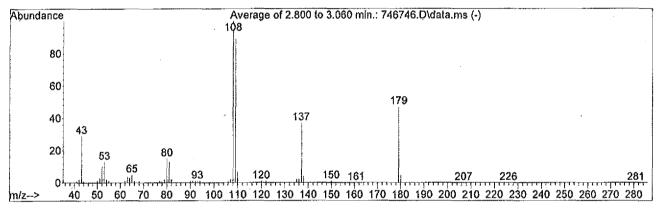
Submitted by ASD 46 Vial Number AcquisitionMeth: DRUGS.M Integrator : RTE

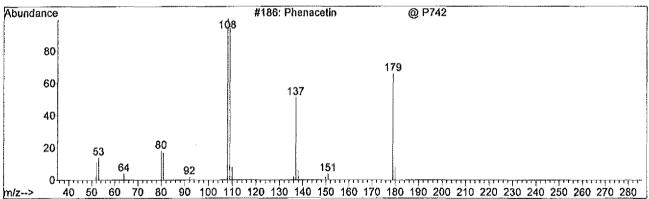
Search Libraries: C:\Database\SLI.L Minimum Quality: 85

C:\Database\PMW TOX2.L

Minimum Quality: 85 C:\Database\NISTO5a.L

PK#	RT	Library/ID		CAS#	Qual
2	2.84	C:\Database\PMW_TOX2.L Phenacetin Bucetin p-Phenetidine	@ @	000062-44-2 001083-57-4 000156-43-4	95 38 30





: C:\msdchem\1\System7\10 01 10\746746.D File Name

: ASD Operator

1 Oct 2010 23:44 Date Acquired

Sample Name Submitted by Vial Number

Integrator

ASD 46 AcquisitionMeth: DRUGS.M

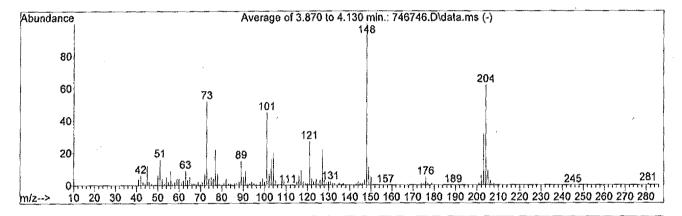
Search Libraries: C:\Database\SLI.L

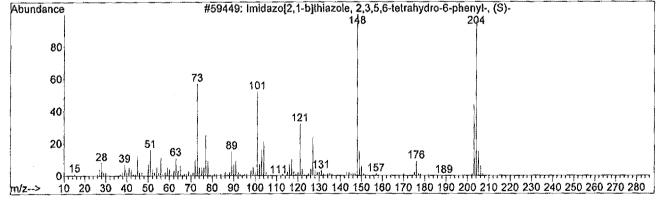
RTE

Minimum Quality: 85

C:\Database\PMW TOX2.L Minimum Quality: 85 C:\Database\NISTO5a.L

PK#	RT	Library/ID		CAS#	Qual
3	3.90	C:\Database\NIST05a.L Imidazo[2,1-b]thiazole, Imidazo[2,1-b]thiazole, Imidazo[2,1-b]thiazole,	2,3,5,6-tet	006649-23-6	98 98 98





File Name : C:\msdchem\1\System7\10 01\_10\746746.D

Operator : ASD

Date Acquired : 1 Oct 2010 23:44

Sample Name : Submitted by : AS

Vial Number : 46 AcquisitionMeth: DRUGS.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85

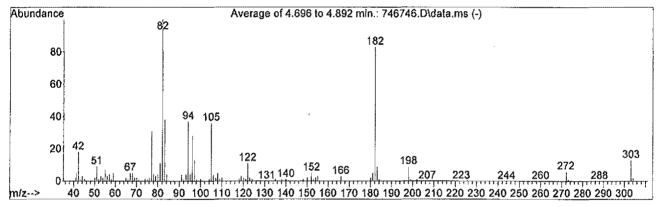
C:\Database\PMW\_TOX2.L Minimum Quality: 85

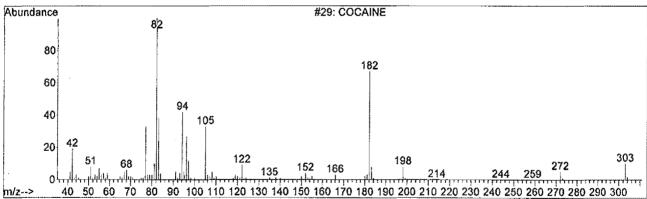
C:\Database\NIST05a.L

PK# RT Library/ID CAS# Qual

4 4.73 C:\Database\SLI.L COCAINE

000050-36-2 99





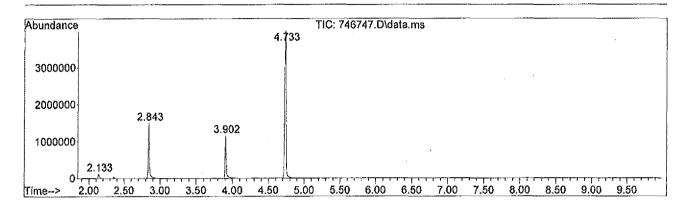
File Name : C:\msdchem\1\System7\10\_01\_10\746747.D

Operator : ASD

Date Acquired : 1 Oct 2010 23:57

Sample Name : Submitted by : A

Submitted by : ASD
Vial Number : 47
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
2.133	189818	2,18	3.51	
2.843	1701606	19.53	31.48	
3.902	1417683	16,27	26.23	
4.733	5404620	62.02	100.00	

File Name : C:\msdchem\1\System7\10 01 10\746747.D

Operator : ASD

Date Acquired 1 Oct 2010 23:57

Sample Name Submitted by

ASD 47

Vial Number AcquisitionMeth: DRUGS.M

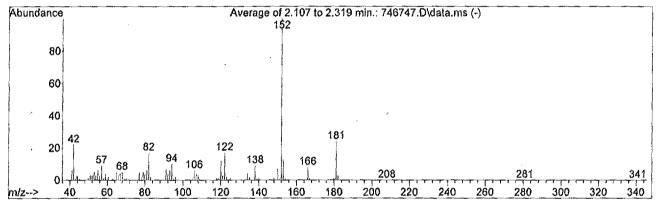
Integrator : RTE

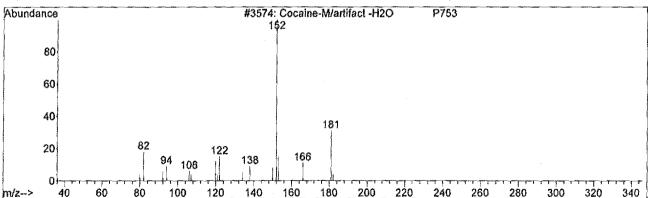
Search Libraries: C:\Database\SLI.L Minimum Quality: 85

C:\Database\PMW TOX2.L Minimum Quality: 85

C:\Database\NISTO5a.L

PK#	RT	Library/ID		CAS#	Qual
1	2.13	C:\Database\PMW_TOX2.L Cocaine-M/artifact -H2O MDA-M (desmethylenyl-methyl-) ME	: @	000000-00-0 000000-00-0	96 40
		Metipranolol-M/artifact AC		000000-00-0	25





File Name : C:\msdchem\1\System7\10\_01\_10\746747.D

Operator : ASD

Date Acquired : 1 Oct 2010 23:57

Sample Name : Submitted by : ASD Vial Number : 47

AcquisitionMeth: DRUGS.M

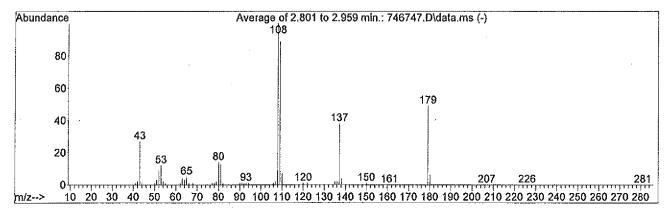
Integrator : RTE

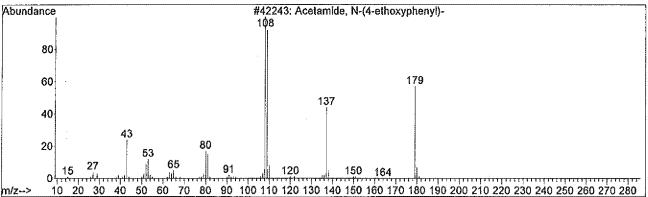
Search Libraries: C:\Database\SLI.L Minimum Quality: 85

C:\Database\PMW\_TOX2.L Minimum Quality: 85

C:\Database\NIST05a.L

PK#	RT	Library/ID	CAS#	Qual
2	2.84	C:\Database\NIST05a.L Acetamide, N-(4-ethoxypher Acetamide, N-(4-ethoxypher Acetamide, N-(4-ethoxypher	nyl)- 000062-44-2	98





File Name : C:\msdchem\1\System7\10 01 10\746747.D

Operator : ASD

Date Acquired : 1 Oct 2010 23:57

Sample Name :

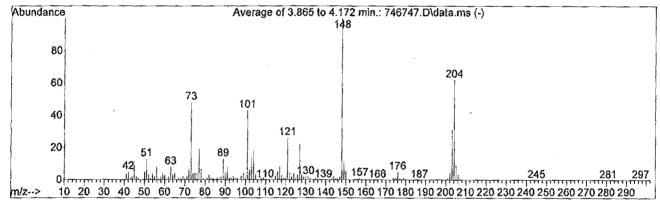
Submitted by : ASD Vial Number : 47 AcquisitionMeth: DRUGS.M Integrator : RTE

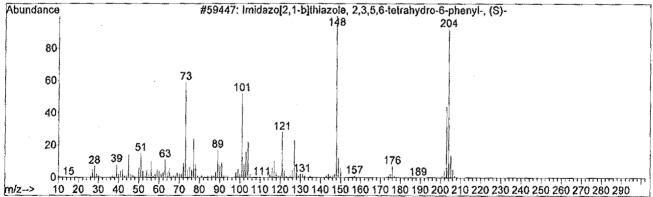
Search Libraries: C:\Database\SLI.L Minimum Quality: 85

C:\Database\PMW\_TOX2.L Minimum Quality: 85

C:\Database\NISTO5a.L

PK# RT	Library/ID		CAS#	Qual
3 3.90	C:\Database\NIST05a.L	2 3 5 6 1-4	014760 70 4	00
	<pre>Imidazo[2,1-b]thiazole, Imidazo[2,1-b]thiazole, Imidazo[2,1-b]thiazole.</pre>	2,3,5,6-tet	006649-23-6	99 99 98





File Name : C:\msdchem\1\System7\10\_01\_10\746747.D

Operator : ASD

Date Acquired : 1 Oct 2010 23:57

Sample Name : Submitted by : ASD Vial Number : 47

AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

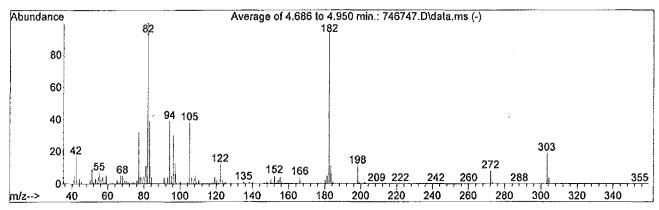
C:\Database\SLI.L Minimum Quality: 85 C:\Database\PMW TOX2.L Minimum Quality: 85

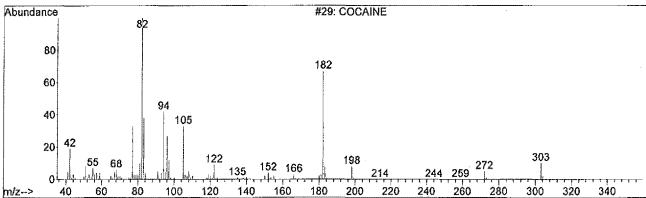
C:\Database\NIST05a.L

PK# RT Library/ID CAS# Qual

4 4.73 C:\Database\SLI.L COCAINE

INE 000050-36-2 99





: C:/msdchem/l/System7/l0\_01\_10/746748.D

File Name

£5,133

Date Acquired asa : Operator

Sample Name 2 OCE 2010 00:09

84 Vial Number GSA ∶ Submitted by

: KLE AcquisitionMeth: DRUGS.M.

Integrator

	S000000
	3000000
TIC: 746748.D/data.ms	Арилдалсе

858.2

3,902

**************************************	 		 		. 8	Area		/L69 	<b>V</b> .	 	··· · · · · · · · · · · · · · · · · ·		Ret.
	 	 	 				······································	848		 	<del></del>		
			68.0 98.0	30	SL	. 181 . 181	7	22276 12283 12383	134			8	81.2 88.2 9.90

07.09

79697EF

100.00

εεL.₽

1000000

File Name : C:\msdchem\1\System7\10 01 10\746748.D

Operator : ASD

Integrator

Date Acquired : 2 Oct 2010 00:09

: RTE

Sample Name :
Submitted by : ASD
Vial Number : 48
AcquisitionMeth: DRUGS.M

Search Libraries: C:\Database\SLI.L Minimum Quality: 85

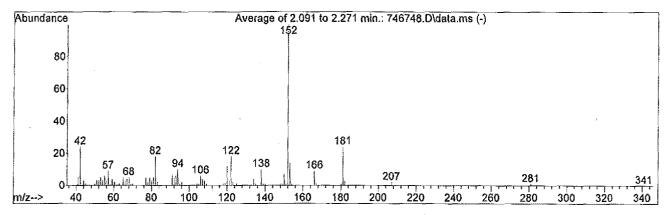
C:\Database\PMW TOX2.L

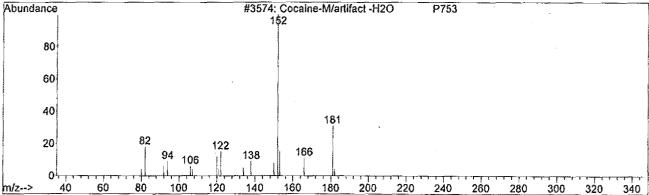
MDA-M (desmethylenyl-methyl-) ME

C:\Database\NISTO5a.L

PK# RT Library/ID CAS# Qual

1 2.13 C:\Database\PMW\_TOX2.L Cocaine-M/artifact -H2O 000000-00-0 97 Metipranolol-M/artifact AC 000000-00-0 37





Minimum Quality: 85

9

@ 000000-00-0

File Name : C:\msdchem\1\System7\10 01 10\746748.D

Operator : ASD

Date Acquired : 2 Oct 2010 00:09

Sample Name Submitted by

Submitted by : ASD
Vial Number : 48
AcquisitionMeth: DRUGS.M
Integrator : RTE

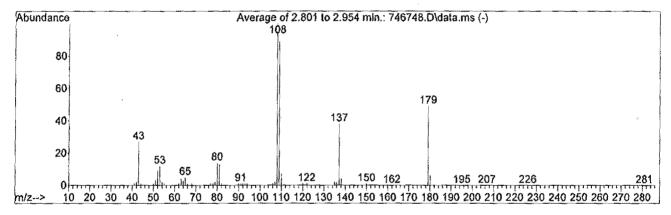
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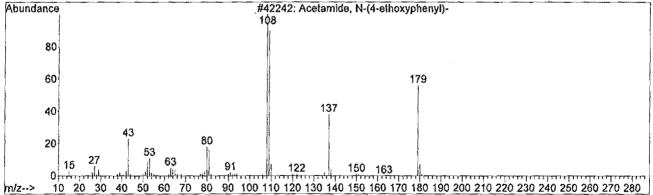
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C:\Database\PMW\_TOX2.L
C:\Database\NIST05a.L

J: \Database\N1STU5a.L

PK# RTLibrary/ID CAS# Qual 2 2.84 C:\Database\NIST05a.L Acetamide, N-(4-ethoxyphenyl)-000062-44-2 98 Acetamide, N-(4-ethoxyphenyl)-Acetamide, N-(4-ethoxyphenyl)-000062-44-2 98 000062-44-2 98





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Operator ASD

Date Acquired 2 Oct 2010 00:09

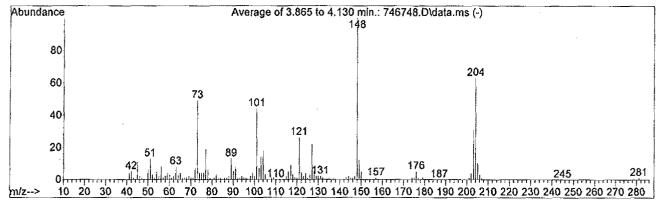
Sample Name Submitted by Vial Number 48 AcquisitionMeth: DRUGS.M Integrator : RTE

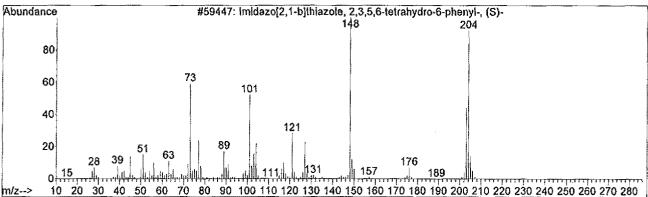
Search Libraries: C:\Database\SLI.L Minimum Quality: 85 Minimum Quality: 85

C:\Database\PMW TOX2.L

C:\Database\NISTO5a.L

PK#	RT	Library/ID		CAS#	Qual
3	3.90	C:\Database\NIST05a.L Imidazo[2,1-b]thiazole, Imidazo[2,1-b]thiazole, Imidazo[2,1-b]thiazole,	2,3,5,6-tet	006649-23-6	99 99 99





File Name : C:\msdchem\1\System7\10 01 10\746748.D

Operator : ASD

Date Acquired Oct 2010 00:09

Sample Name

RT

Submitted by ASD Vial Number 48 AcquisitionMeth: DRUGS.M

RTE Integrator

Search Libraries: C:\Database\SLI.L

Minimum Quality: 85 C:\Database\PMW\_TOX2.L Minimum Quality: 85

CAS#

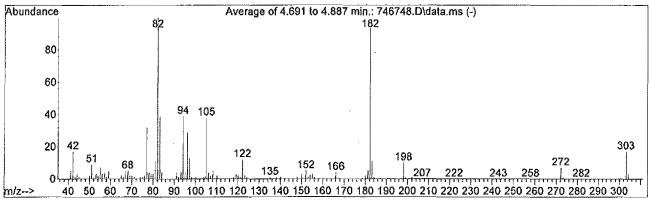
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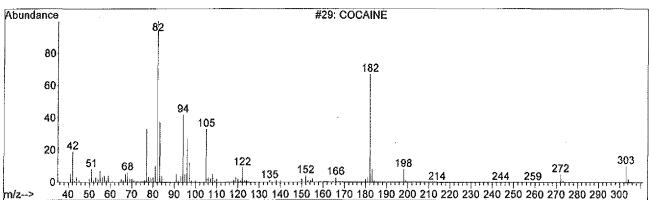
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C:\Database\NISTO5a.L

PK# Library/ID

4.73 C:\Database\SLI.L COCAINE 000050-36-2





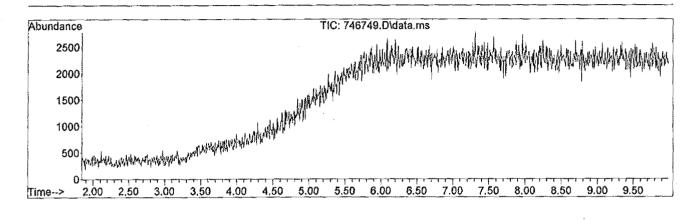
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Operator : ASD

Date Acquired : 2 Oct 2010 00:22

Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M

AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

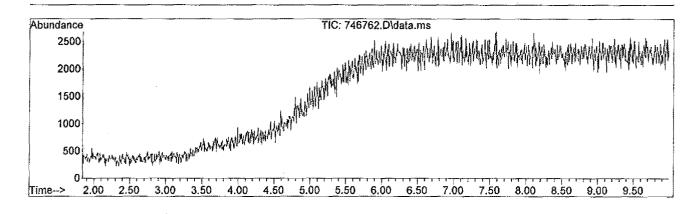
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Operator : ASD

Date Acquired : 2 Oct 2010 3:07

Sample Name : BLANK Submitted by : ASD Vial Number : 2

AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time Area Area % Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

1500000 4,728 TIC: 746763.D/data.ms Abundance Integrator : RTE AcquisitionMeth: DRUGS.M ε9 : Vial Number GSA : Submitted by : COCYINE 21D Sample Name Date Acquired : 2 Oct 2010 3:16 : C:/msdchem/l/System7/l0\_01\_10/746763.D : ASD Operator File Name Information from Data File:

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	% oita	Area %	Area		9miT	Ret.	
09'6 00'6 09'8 00'8	09'Z 00'Z 09'9	00.9 03.8	00.8 02.4 00.4	09.8 00.8 08.9	2.00.2	<emit< td=""></emit<>	

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Operator : ASD

Date Acquired : 2 Oct 2010 3:19

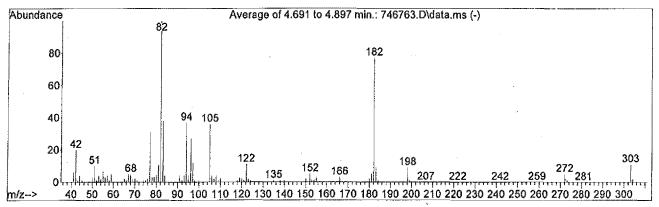
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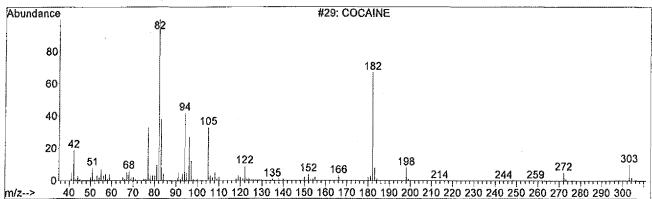
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Vial Number : 63
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85

C:\Database\PMW\_TOX2.L Minimum Quality: 85

C:\Database\NISTO5a.L





## Area Percent / Library Search Report

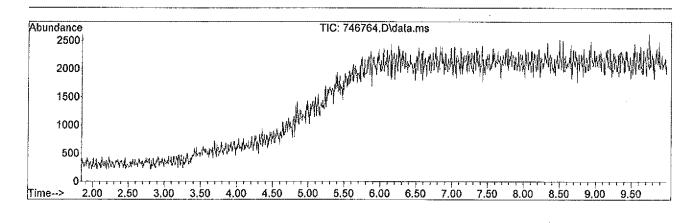
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Date Acquired : 2 Oct 2010 3:32

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Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time Area Area % Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*